

IN THE ABSTRACT:

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ABSTRACT OF THE DISCLOSURE

The present invention relates to a method of producing a micro-fluidic structure element, the method comprising: (a) providing a mould assembly for moulding a micro-structured element; said mould assembly comprising a first and second mould die together forming a die cavity, said first and/or said second mould die comprising: (i) a mould surface, preferably of metal comprising a micro-structured mould surface, and (ii) one or more coin pins extending between said first and second mould die across said cavity, (b) applying a moulding material to consolidate; and (d) ejecting said consolidated moulding material from the die cavity. The invention further provides a micro-fluidic structure obtainable by the method, a mould assembly for moulding a micro-structured element of a micro-fluidic structure, and use thereof. The invention further provides a micro-fluidic structure element, the element comprising a first outer face (101) and a second outer face (108), said first and/or said second outer face comprising at least one micro-structure for at least one micro-fluidic function (103, 109), and said first and said second outer faces being in fluid communication by at least one through-going aperture (107).